

MANUFACTURE OF SOLAR CELL

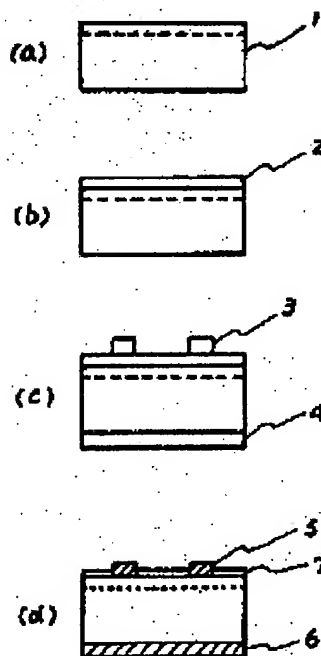
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A process for producing solar cells which comprises applying a composition for anti-reflection coating formation on one side of a silicon base plate having a p-n junction therein, printing an Ag paste for contact formation on predetermined areas of the coat, and heat-treating the resulting plate at a temperature of 400 DEG to 900 DEG C. to complete anti-reflection coating and a light-receiving side contact, the process being characterized in that the composition for anti-reflection coating formation contains as essential component, (a) at least one member selected from the metal-organic ligand complex compounds represented by the general formula $M(OR)_n(L)_a$ wherein M is a metal selected from Zn, Al, Ga, In, Ti, Zr, Sn, V, Nb, Ta, Mo, and W; R is a C1-C18 alkyl group; L is an organic ligand which forms a non-hydrolyzable bond with the metal ion; a is the valency of the metal M; and n is an integer satisfying $1 \leq n \leq a$, and hydrolytic condensation products thereof represented by the general formula $(OR)_n-1M(L)_a-n-O-M(OR)_n-1(L)_a-n$, (b) an organotin compound, and (c) a solvent.



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